

## Objective

To obtain a summer internship utilizing my skills in computer science

## Education

### **Carnegie Mellon University**

M.S. Computer Science

*Pittsburgh, USA*

### **Beijing University of Posts and Telecommunications**

B.E. Electrical Engineering

*Beijing, China  
Sept. 2009 - Jun. 2013*

## Skills

Programming Skills: C, java and python, familiar with Linux environment and map-reduce programming

Web application development: HTML, CSS, Javascript, JQuery, Ajax, J2EE and Django

Data Base: SQL language with experience on mysql and amazon DynamoDB

Big Data Analysis: Hadoop, Machine learning skills including Naïve Bayes, Neural Network and Decision Tree.

## Projects

### **Key phrase extraction of google books corpus**

- Used KL Divergence to calculate phraseness score and informative score for phrase *Feb.2014*
- Implemented on Amazon Hadoop platform to handle large data

### **Micro-blogging Web Service Project**

- Include user registration, login, email-confirmation, post, search and remark services *Feb.2014*
- Used Django and Bootstrap framework with Ajax, JQuery, html5, css techniques.

### **Twitter Analytics Web Service Project**

- Built a RESTful twitter statistic web site to handle dense requests using Amazon Web Service *Nov. 2013*
- Used mysql as backend database and java servlet as front end server.

### **Dynamic Storage Allocator**

- Developed a general-purpose malloc storage allocator using C *Nov. 2013*
- Achieved high throughput and memory utilization using binary tree to organize memory blocks.

### **Cache Web Proxy**

- Developed a proxy web server that can handle real browser requests *Nov. 2013*
- Used cache techniques to store recent-requested data.

### **Rate control algorithm optimization for H.264 video compression**

- Used perceptual coding techniques to allocate bits to each MacroBlock to generate the optimal quality *Apr. 2012 - Jun. 2012*
- Implemented the proposal on JM86 H.264 model.

### **Patent resemblance comparison**

- Extracted topics from patents to decide patent resemblance based on LDA model. *Jul. 2012 - Sep. 2012*
- conducted the topic-comparison process and exhibited the result on a jsp page

## Experience

### **Agilent Technologies**

#### **Software Engineer**

- conducted QA analysis for a software driver on PXA signal analyzer *Apr. 2013 - July 2013*

- Built a programming tool "auto coder" that can auto-generate testing c# code.